

**IN THE CLAIMS:**

Please amend the claims as follows:

1. (Currently Amended) A radiation exposure recording device comprising:  
a radiation exposure recording medium;  
a housing that at least partly surrounds the radiation exposure recording medium;  
a first detector that detects a first radiation exposure and produces at least one signal  
in response to detecting the first radiation exposure;  
a clock circuit providing a current time signal;  
a storage circuit communicating with the first detector and the clock circuit to the  
current time signal at the time of the first radiation exposure; and  
a wireless transmitter receiving the stored current time from the storage circuit to  
transmit a wireless digital signal based upon the electric signal to a remote device.

2.-3. (Cancelled)

4. (Original) The radiation exposure recording device of claim 1, wherein the  
radiation exposure recording medium is a radiation-sensitive film.

5. (Original) The radiation exposure recording device of claim 1, wherein the  
radiation exposure recording medium is a photostimulable plate.

6.-9. (Cancelled)

10. (Currently Amended) ~~The radiation exposure recording device of claim 1~~ A  
radiation exposure recording device comprising:  
a radiation exposure recording medium;  
a housing that at least partly surrounds the radiation exposure recording medium;  
a first detector that detects a first radiation exposure and produces at least one signal  
in response to detecting the first radiation exposure;  
means for communication the signal to a user;

wherein the detector is located on an outer surface of the housing; and a surface of a cassette housing that substantially contains the radiation exposure recording medium  
wherein the detector is in the form of at least one of a sticker, a label and a card that is adhered to the surface of the cassette.

11.-15.(Cancelled)

16. (Original) The radiation exposure recording device of claim 1, wherein the ~~electric signal~~ wireless digital signal is communicated to a cassette reader.

17. (Cancelled)

18. (Currently Amended) The radiation exposure recording device of claim 1, further comprising a second detector, wherein the first detector detects ~~the~~ a first radiation exposure with respect to a first portion of the radiation exposure recording device, and the second detector detects a second radiation exposure with respect to a second portion of the radiation exposure recording device.

19. (Cancelled)

20. (Original) The radiation exposure recording device of claim 1, wherein the detecting of the first radiation exposure includes determining that the first radiation exposure equaled or exceeded a first threshold.

21. (Original) The radiation exposure recording device of claim 1, wherein the detecting of the first radiation exposure includes determining an accumulated amount of radiation exposure.

22.-35. (Cancelled)

36. (New) The radiation exposure recording device of claim 10 further including:  
a clock circuit providing a current time signal;

a storage circuit communicating with the first detector and the clock circuit to the current time signal at the time of the first radiation exposure; and  
wherein the signal is the stored current time from the storage circuit.

37. (New) The radiation exposure recording device of claim 10, wherein the radiation exposure recording medium is a radiation-sensitive film.

38. (New) The radiation exposure recording device of claim 10, wherein the radiation exposure recording medium is a photostimulable plate.

39. (New) The radiation exposure recording device of claim 10, further including a wireless transmitter transmitting the signal as a wireless digital signal to a separate reader.

40. (New) The radiation exposure recording device of claim 10, further comprising a second detector, wherein the first detector detects the first radiation exposure with respect to a first portion of the radiation exposure recording device, and the second detector detects a second radiation exposure with respect to a second portion of the radiation exposure device.

41. (New) The radiation exposure recording device of claim 1 wherein the clock circuit further communicates with a time synchronization circuit, the time synchronization circuit communicating with a reference time source to verify the time of the clock circuit.

42. (New) The radiation exposure recording device of claim 1 wherein the wireless transmitter is a radio transmitter